

To: Schaller, Andrea[schaller.andrea@epa.gov]; Eisenberg, Mindy[Eisenberg.Mindy@epa.gov]; George Delancey (george.j.delancey@usace.army.mil)[george.j.delancey@usace.army.mil]; Swenson, Peter[swenson.peter@epa.gov]; Scott Pruitt (scott_pruitt@fws.gov)[scott_pruitt@fws.gov]; Marissa Reed (marissa_reed@fws.gov)[marissa_reed@fws.gov]
Cc: West, Bryce[BWest@peabodyenergy.com]; Rogers, Ken M.[KRogers@peabodyenergy.com]; Eric Fry (ericfryllc@yahoo.com)[ericfryllc@yahoo.com]
From: Nelson, Ann M
Sent: Mon 4/24/2017 8:27:44 PM
Subject: RE: Hydrogeomorphic Assess of the Seven Hills Mine Potential Mitigation Sites
WKY HGM Mitigation Wetland Function Comparison.pdf

Everyone,

Please find attached a separate table (Table 1) that depicts the preliminary mitigation analysis using the HGM approach that includes the functional debit from impacting all the wetlands on-site as well as the functional uplift generated from the on-site mitigation as well as each potential off-site tract based on the functional capacity indices generated from field data collected and provided in the Seven Hills Mitigation Site HGM Memo dated 04/21/17 that was resent to everyone this morning. Please note that the list contains both controlled and uncontrolled sites. Acquisition of the uncontrolled properties is not certain at this time. All the mitigation sites combined produces a surplus credit of approximately 317 functional capacity units.

If you have any questions, please let myself or any other Peabody representative know.

Thank you,

Ann Nelson

Ann Nelson, PE | Sr. Engineer | Midwest

566 Dickeyville Road | Lynnville, IN 47619 | ann_nelson@peabodyenergy.com

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From: Nelson, Ann M

Sent: Monday, April 24, 2017 8:16 AM

To: Andrea Schaller (schaller.andrea@epa.gov); Mindy Eisenberg (eisenberg.mindy@epa.gov); George Delancey (george.j.delancey@usace.army.mil); swenson.peter@epa.gov; Scott Pruitt (scott_pruitt@fws.gov); Marissa Reed (marissa_reed@fws.gov)

Cc: West, Bryce; Rogers, Ken M.; Eric Fry (ericfryllc@yahoo.com)

Subject: RE: Hydrogeomorphic Assess of the Seven Hills Mine Potential Mitigation Sites

Everyone,

Please disregard the report sent on Friday, we had some minor revisions completed and I failed to forward the updated report to everyone. Please refer to the report dated April 21, 2017 for your review.

Thank you ,

Ann Nelson

Ann Nelson, PE | Sr. Engineer | Midwest

566 Dickeyville Road | Lynnville, IN 47619 | ann_nelson@peabodyenergy.com

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From: Nelson, Ann M

Sent: Friday, April 21, 2017 3:16 PM

To: Andrea Schaller (schaller.andrea@epa.gov); Mindy Eisenberg (eisenberg.mindy@epa.gov); George Delancey (george.j.delancey@usace.army.mil); swenson.peter@epa.gov; Scott Pruitt (scott_pruitt@fws.gov); Marissa Reed (marissa_reed@fws.gov)

Cc: West, Bryce; Rogers, Ken M.; Eric Fry (ericfryllc@yahoo.com)

Subject: Hydrogeomorphic Assess of the Seven Hills Mine Potential Mitigation Sites

Everyone,

Please find attached the summary of the HGM data collected by Eco-Tech for several potential off-site mitigation areas identified for the Seven Hills Mine. The sites include two (2) tracts within the Highland-Pigeon watershed, three (3) in the Patoka watershed, and two (2) in the Lower Ohio-Little Pigeon. In addition to these sites, HGM data was collected at a six-year old reclaimed mine mitigation site and an eight-year prior converted cropland mitigation to use as a functional capacity reference.

Please note that HGM data was not collected at Greathouse Island due to flooding. This data will be obtained as soon as possible once access to the site is allowed.

If you have any questions, please let myself or any other Peabody representative know.

Thank you,

Ann Nelson

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